

Patent Abstracts of Japan

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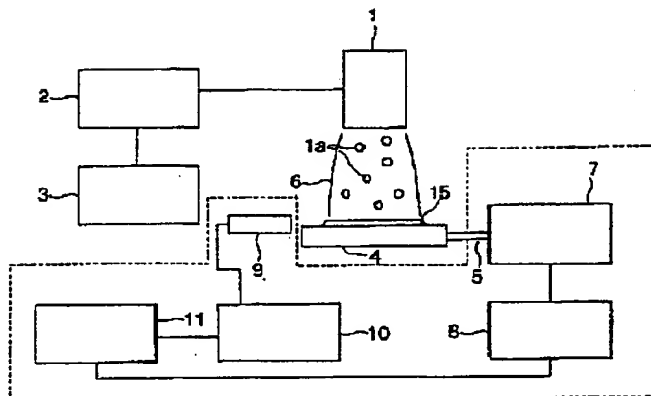
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TITLE : METHOD FOR EVALUATING
THERMALLY SPRAYED FILM AND
DEVICE THEREFOR



ABSTRACT : PURPOSE: To evaluate the characteristics of a thermally sprayed film without sampling the sectional structure of this thermally sprayed film.

CONSTITUTION: The state of the thermally sprayed particles 1a on the front surface of a base material 4 thermally sprayed by a thermal spraying gun 1 is detected by a camera device 9. The ratio of the reflected particles reflected without deposition on the surface of the base material 4 among the thermally sprayed particles 1a is determined by an image processing means (computer 11) in accordance with the the image detected by this camera device 9. The characteristics of the thermally sprayed film 15 are evaluated by an evaluating means (computer 11) according to whether or not the ratio of the reflected particles 1b in the case where the thermal spraying angle (the angle formed by the axial line of a thermal spraying gun 1 and the surface of the base material 4) is changed by a driving means 7 attains the reference value at the thermal spraying angle of the degree lower than the previously set threshold thermal spraying angle.

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